

Title (en)
PROCESS FOR REMOVING IRON FROM LEACHING SOLUTIONS

Publication
EP 0112764 B1 19870211 (FR)

Application
EP 83402415 A 19831214

Priority
FR 8221392 A 19821221

Abstract (en)
[origin: EP0112764A1] 1. Process for removing selectively iron from acidic chlorous solutions originating in leaching complex sulfide ores to produce non-iron metals comprising oxidizing the ferrous iron present in said solution to ferric iron by introduction of an oxidizing gas into said solution and subsequent filtering and washing the so formed precipitate of ferric iron, characterized in that the starting solution has a concentration of copper $[Cu^{++}] \leq 1,5$ M and a concentration of ferrous iron $[Fe^{++}] \leq 2$ M and that one introduces said oxidizing gas into said solution with a constant throughput during at least the first half of the duration of the reaction and one increases continuously the partial pressure of the oxygen in said gas in function of the time to maintain the velocity of the oxidation reaction constant during at least the first half of the duration of said reaction.

IPC 1-7
C22B 3/00; C22B 19/26; C01G 49/06

IPC 8 full level
C22B 3/00 (2006.01); **C01G 49/00** (2006.01); **C01G 49/06** (2006.01); **C22B 3/20** (2006.01); **C22B 3/44** (2006.01)

CPC (source: EP)
C22B 3/44 (2013.01); **C22B 19/26** (2013.01); **Y02P 10/20** (2015.11)

Cited by
EP0234827A3; BE1006652A3; US10316400B1; US11091828B2; WO9315236A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0112764 A1 19840704; **EP 0112764 B1 19870211**; AT E25466 T1 19870215; AU 2248783 A 19840628; AU 563373 B2 19870709; BR 8307001 A 19840731; CA 1222871 A 19870616; DE 3369795 D1 19870319; ES 528204 A0 19850116; ES 8502662 A1 19850116; FR 2537968 A1 19840622; FR 2537968 B1 19860228; JP S59118819 A 19840709; PT 77859 A 19840101; PT 77859 B 19860508; ZA 839453 B 19840829

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